

# Coldwater Conservation School Lessons and Activities

Four days of hands-on learning about trout, their coldwater habitat, ecology and conservation in the heart of trout country.

## Biology Lessons

### Aquatic Insectigations

Students get their feet wet as they wade a stream, collect aquatic insects for identification, and learn how scientists determine stream health based on its insect population.



### Fish Biology and ID

Students learn fish anatomy and biology, as well as how to differentiate between fish species.

## Ecology Lessons

### Trout Habitat

Students learn where trout like to live by looking at water quality and quantity, food sources, and stream features such as riffles and pools.



### Pond Ecology

Students learn what lives in a pond as they seine the area, collecting fish and other critters commonly found in the pond.

## Free Time

**Fly Tying -- Relaxing Around the Campfire -- Fishing**

## Conservation Lessons

### River and Stream Conservation

Students learn the value of trout habitat conservation and what is necessary to responsibly protect and manage coldwater streams.



### Stream Restoration

Students learn stream bank restoration techniques and apply that knowledge by restoring a section of trout stream in Stoke's State Forest.

## Angling Lessons

### Casting Practice and Skills

Students learn how to cast fly rods, and develop their skills through practice and challenges and may apply those skills to actual fishing experiences during free time.



### Fly Tying

Students study the aquatic insects found in a trout stream and learn the art of fly tying.

## Evening Programs

**Know the Bear Facts -- World of Trout -- Reptiles**

The school staff includes Fish and Wildlife personnel, Trout Unlimited members, and teachers. They are professionals with experience, knowledge and skills relating to trout, angling, coldwater habitat and its conservation.

## Coldwater Conservation School

The Coldwater Conservation School is a collaborative effort between the NJ DEP Division of Fish and Wildlife, and the NJ State Council of Trout Unlimited and its supporting chapters.

The goal of the school is to foster knowledge and appreciation of trout and coldwater habitats through a variety of hands-on activities and interactive learning methods. The Coldwater Conservation School will give students practical knowledge about trout, their coldwater habitats, and provide information they can use to protect and improve the habitat trout need to flourish.

The school will be held at the NJ School of Conservation in Stokes State Forest from June 28 - July 1, 2012.

Cost is \$200.00 per student and includes food, lodging and equipment.

Students must be 11 to 14 years old in order to participate.

For more information, visit [www.njfishandwildlife.com](http://www.njfishandwildlife.com) or contact:

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## Coldwater Conservation School Partners



## Stokes State Forest School of Conservation



June 28 - July 1, 2012